

1. A method comprising:

receiving a signal-strength measurement for a first downlink signal that is received by a wireless terminal and a signal-strength measurement for an uplink signal that is transmitted by said wireless terminal; and

estimating the location of said wireless terminal based on said signal-strength measurement for said first downlink signal and on said signal-strength measurement for said uplink signal.

2. The method of claim 1 further comprising deducing the signal strength of a second downlink signal at said wireless terminal based on said signal-strength measurement for said uplink signal.

3. The method of claim 2 wherein estimating the location of said wireless terminal comprises pattern matching (i) said signal-strength measurement for said downlink signal and (ii) the deduced signal strength of said downlink signal at said wireless terminal against a map that correlates signal-strength measurements and locations.

4. The method of claim 2 wherein estimating the location of said wireless terminal comprises pattern matching the difference between (i) said signal-strength measurement for said downlink signal and (ii) the deduced signal strength of said downlink signal at said wireless terminal against a map that correlates signal-strength measurements and locations.

5. The method of claim 2 wherein deducing the signal strength of said second downlink signal at said wireless terminal is also based on the transmit strength of said second downlink signal.

6. The method of claim 2 wherein deducing the signal strength of said second downlink signal at said wireless terminal is also based on the transmit strength of said uplink signal.

7. The method of claim 1 further comprising transmitting a request to a mobile switching center to make said signal-strength measurement for said uplink signal.

8. A method comprising:

receiving (i) a first signal-strength measurement for an uplink signal that is transmitted by a wireless terminal and received at a first location and (ii) a second signal-strength measurement for said uplink signal that is transmitted by said wireless terminal and received at a second location;

deducing the signal strength of a first downlink signal at said wireless terminal based on said first signal-strength measurement for said uplink signal;

deducing the signal strength of a second downlink signal at said wireless terminal based on said second signal-strength measurement for said uplink signal; and

estimating the location of said wireless terminal based on the deduced signal strength of said first downlink signal and on the deduced signal strength of said second downlink signal.

9. The method of claim 8 wherein estimating the location of said wireless terminal comprises pattern matching (i) the deduced signal strength of said first downlink signal and (ii) the deduced signal strength of said second downlink signal against a map that correlates signal-strength measurements and locations.

10. The method of claim 8 wherein estimating the location of said wireless terminal comprises pattern matching the difference between (i) the deduced signal strength of said first downlink signal and (ii) the deduced signal strength of said second downlink signal against a map that correlates signal-strength measurements and locations.

11. The method of claim 8 wherein deducing the signal strength of a first downlink signal at said wireless terminal is based on the transmit strength of said first downlink signal.

12. The method of claim 8 wherein deducing the signal strength of a first downlink signal at said wireless terminal is based on the transmit strength of said uplink signal.

13. The method of claim 8 further comprising transmitting a request to a mobile switching center to make said first signal-strength measurement for an uplink signal and said second signal-strength measurement for said uplink signal.

14. The method of claim 8 further comprising receiving a message from a mobile switching center that comprises said first signal-strength measurement for an uplink signal and said second signal-strength measurement for said uplink signal.

15. A method comprising:

transmitting a request to a mobile switching center to make a first signal-strength measurement at a first location and a second signal-strength measurement at a second location for an uplink signal that is transmitted by a wireless terminal;

receiving a message from said mobile switching center that comprises said first signal-strength measurement and said second signal-strength measurement;

deducing the signal strength of a first downlink signal at said wireless terminal based on said first signal-strength measurement;

deducing the signal strength of a second downlink signal at said wireless terminal based on said second signal-strength measurement; and

estimating the location of said wireless terminal based on the deduced signal strength of said first downlink signal and on the deduced signal strength of said second downlink signal.

16. The method of claim 15 wherein estimating the location of said wireless terminal comprises pattern matching (i) the deduced signal strength of said first downlink signal and (ii) the deduced signal strength of said second downlink signal against a map that correlates signal-strength measurements and locations.

17. The method of claim 15 wherein estimating the location of said wireless terminal comprises pattern matching the difference between (i) the deduced signal strength of said first downlink signal and (ii) the deduced signal strength of said second downlink signal against a map that correlates signal-strength measurements and locations.

18. The method of claim 15 wherein deducing the signal strength of a first downlink signal at said wireless terminal is based on the transmit strength of said first downlink signal.

19. The method of claim 15 wherein deducing the signal strength of a first downlink signal at said wireless terminal is based on the transmit strength of said uplink signal.